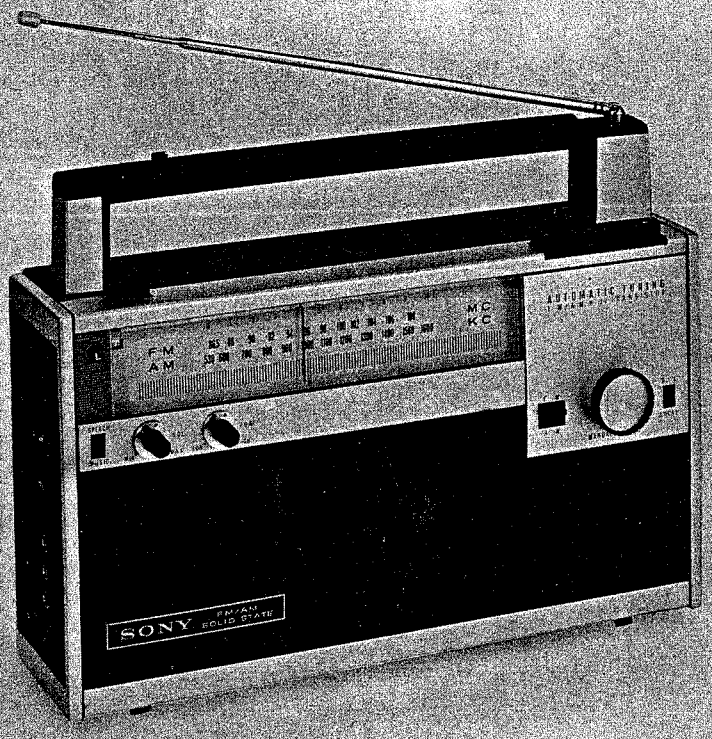
7FA-70W

1657



Specifications

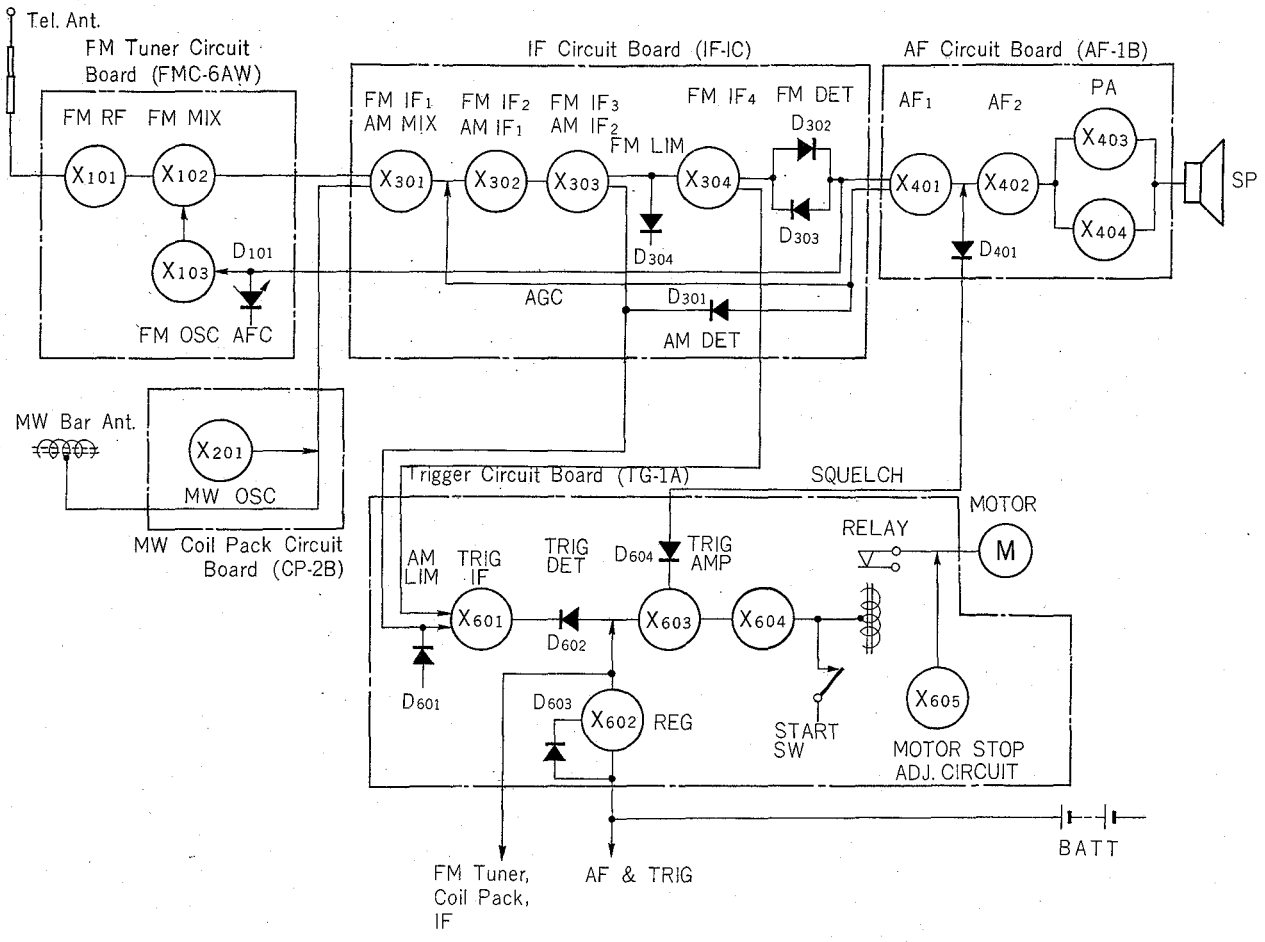
Circuit:	17 Transistor Superheterodyne Auto-Tuning System
Frequency Coverage:	FM 86.5~108 Mc AM 530~1605 Kc
Antenna System:	MW Built-in Ferrite Bar Antenna FM Built-in Telescopic Antenna
Intermediate Frequency:	FM 10.7 Mc AM 455 Kc
FM Usable Sensitivity: (at 10 mW output)	14 dB/m
AM Maximum Sensitivity: (at 10 mW output)	27 dB/m
Selectivity:	24 dB at 10 Kc off resonance, at 1,400 Kc
Output Power:	800 mW (undistorted) 1,200 mW (maximum)
Current Drain:	28 mA at zero signal, 250 mA at 800 mW
Speaker:	4″ (10 cm) PM dynamic, 8Ω
Power Source:	Four "D" Size Flashlight Batteries, 6V in total, or House Current by using SONY AC Power Adaptor
Dimensions:	12 (W)×7 (H)×3-1/4″ (D) (301.6×177.5×82.5 mm)
Weight:	5 lbs. 12 ozs. (2.6 Kg.) with Batteries

SONY®

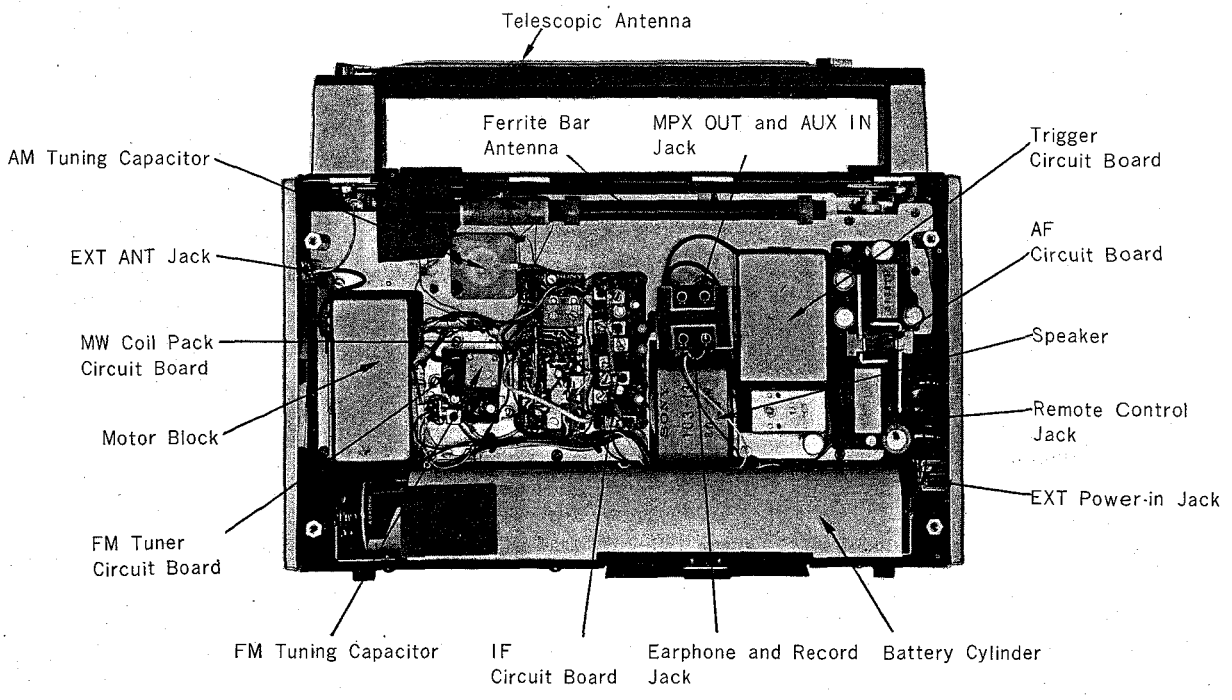
SERVICING GUIDE

1657

Block Diagram



Interior View



Removal of Chassis

(1) Remove the four Back Cover Holding Screws and open the Back Cover.
(2) Remove the Tuning, Volume Control and Tone Control Knobs by pulling them out.
(3) Unsolder the Coaxial Cable of the FM EXT Antenna Jack marked with ▲ shown in Fig. 1.
(4) Remove the two Screws of the EXT Power-in Jack marked with △ shown in Fig. 1.
(5) Remove the two Screws of the Remote Control Jack marked with ○ shown in Fig. 1.
(6) Remove the six Screws of the Battery Cylinder marked with □ shown in Fig. 1
(7) Remove the two Bosses marked with ▲ shown in Fig. 2
(8) Remove the four Screws marked with △ shown in Fig. 2.
(9) Unsolder the two leads (a White and a Black) going to the Speaker marked with ☆ shown in Fig. 2
(10) Unsolder the two leads (a Gray and a Red) Coming from the Dial Lamp marked with ○ shown in Fig. 2.
(11) Take out the Chassis from the Cabinet gently taking care not to cut the leads.

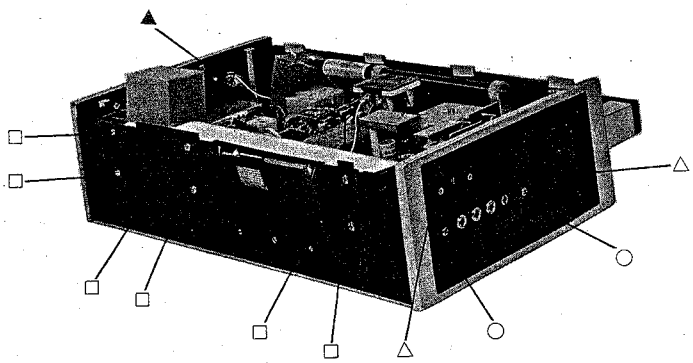


Fig. 1

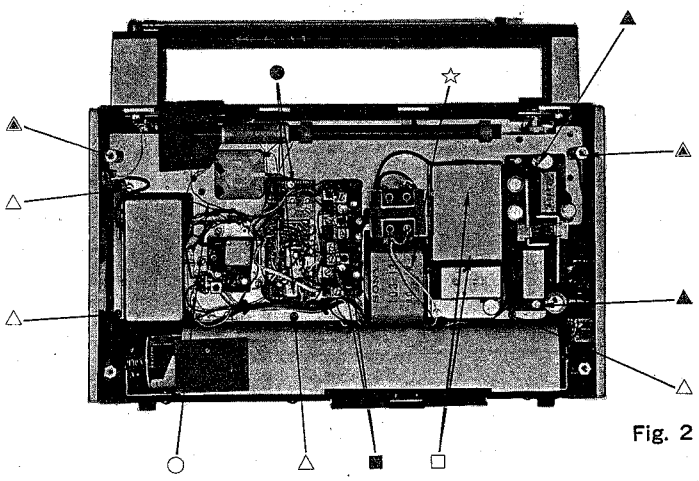
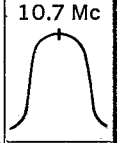
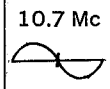
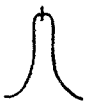
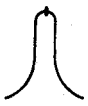


Fig. 2

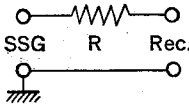
Removal of Printed Circuit Boards

Description	Remove the Screws marked with
MW Coil Pack Circuit Board	● in Fig. 2
IF Circuit Board	■ in Fig. 2
Trigger Circuit Board	□ in Fig. 2
AF Circuit Board	▲ in Fig. 2

IF Alignment

Adj. Item	Connect Sweep/Maker Generator	Connect Oscilloscope	Sweep Gen. Freq.	Marker Gen. Freq.	Adjust	Remarks	Response
AM IF	Base of X_{301} through 0.01μF Ceramic Capacitor	MPX OUT Jack	455kc, Sweep width approximately 500 kc	455 kc	$IFT_{A301, 302, 303, 304}$	Adjust for maximum with response shown.	455 Kc
FM IF	—ditto—	—ditto—	10.7Mc, Sweep width approximately 500 kc	10.7 Mc	$IFT_{F301, 302, 303, 304, 305, 306}$	1. Slug the core of IFT_{F307} completely out. 2. Adjust $IFT_{F301\sim306}$ for maximum with response shown	10.7 Mc 
Discriminator	—ditto—	—ditto—	—ditto—	—ditto—	IFT_{F307}	Adjust for symmetrical S curve shown.	10.7 Mc 
Trigger AM IF	—ditto—	Test Point (T.P.) on Trigger Board	455kc, Sweep width approximately 100 kc	455 kc	$IFT_{A601, 602, 603}$	1. Set R_{616} to maximum resistance 2. Adjust $IFT_{A601\sim603}$ for maximum with response shown.	455 Kc 
Trigger FM IF	—ditto—	—ditto—	10.7Mc, Sweep width approximately 500 kc	10.7 Mc	$IFT_{F601, 602, 603}$	1. Set R_{616} to maximum resistance. 2. Adjust $IFT_{F601\sim603}$ for maximum with response shown.	10.7 Mc 

Frequency Coverage and Tracking Adjustment

Adj. Item	SSG (Standard Signal Generator) Coupling	SSG Freq.	Receiver Dial Setting (by Manual)	Connect VTVM	Adjust	Remarks
AM Freq. Coverage	Loop Antenna	520 kc (1000 c/s, 30% AM Mod.)	Fully Left	Across 8 ohms Load Resistor	AM Osc. Coil (L_{201})	Adjust for maximum deflection
—ditto—	—ditto—	1,680 kc	Fully Right	—ditto—	AM Osc. Trimmer (CT_{202})	—ditto—
AM Tracking	—ditto—	620 kc	Tune to 620 kc signal	—ditto—	AM Bar Ant. Coil (L_{001})	—ditto—
—ditto—	—ditto—	1,400 kc	Tune to 1,400kc signal	—ditto—	AM Ant. Trimmer (CT_{201})	—ditto—
FM Freq. Coverage	 R=75 −Rs ohms where Rs: Output impedance of SSG.	85.5 Mc (400 c/s, ±22.5 kc FM Mod.)	Fully Left	—ditto—	FM Osc. Coil (L_{104})	—ditto—
—ditto—	—ditto—	109.5 Mc	Fully Right	—ditto—	FM Osc. Trimmer (CT_{102})	—ditto—
FM Tracking	—ditto—	85.5 Mc	Tune to 85.5Mc signal	—ditto—	FM Ant. Coil (L_{102})	—ditto—
—ditto—	—ditto—	109.5 Mc	Tune to 109.5Mc signal	—ditto—	FM Ant. Trimmer (CT_{101})	—ditto—

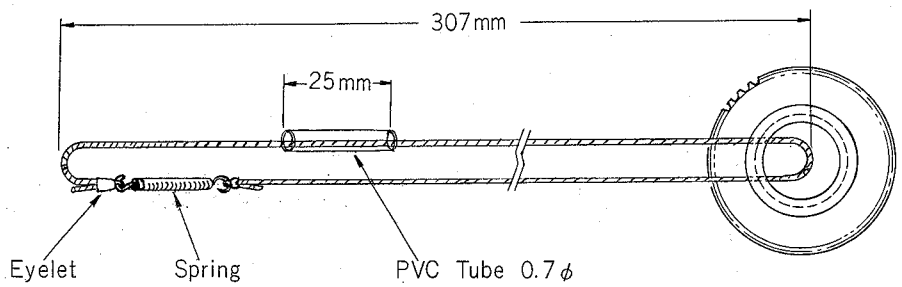
Trigger Block Alignment

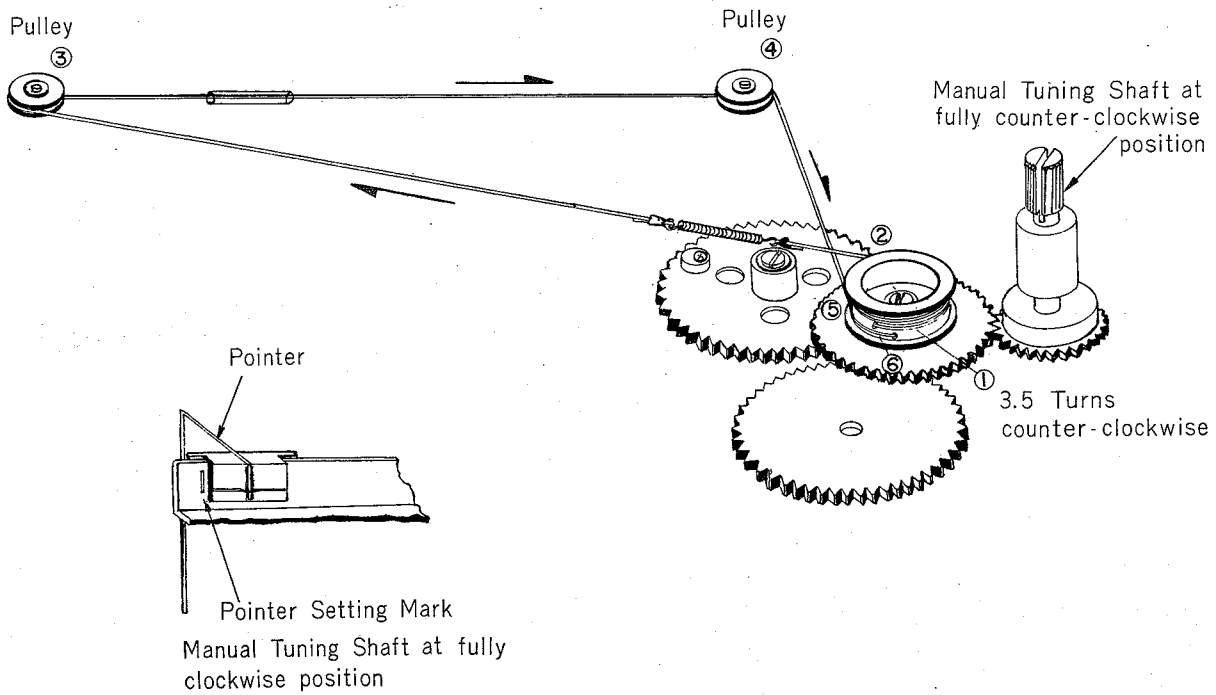
Adj. Item	Connect Meter	Adjust	Meter Reading	Remarks
Regulator	Voltmeter Across R_{617}	R_{611}	3.5 V	
Relay Current	Ammeter in series to Relay Coil	R_{616}	69±2 mA	1. Set R_{616} to the half resistance position. 2. Push the Start Switch (one touch pushing). 3. Adjust R_{616} while the Relay on.
Caution: Do not adjust R_{615}. If the Motor Stop Adjusting Circuit (X_{605}) has defects, replace the Trigger Mounted Circuit Board.				

☆ Receiver Setting on above alignment or adjustment

Sensitivity Selecting Switch: DX
Tone Switch : MUSIC
Volume Control : MAX (for Freq. Coverage and Tracking Adjustment)
Tone Control : HIGH
Power Supply : DC 6V

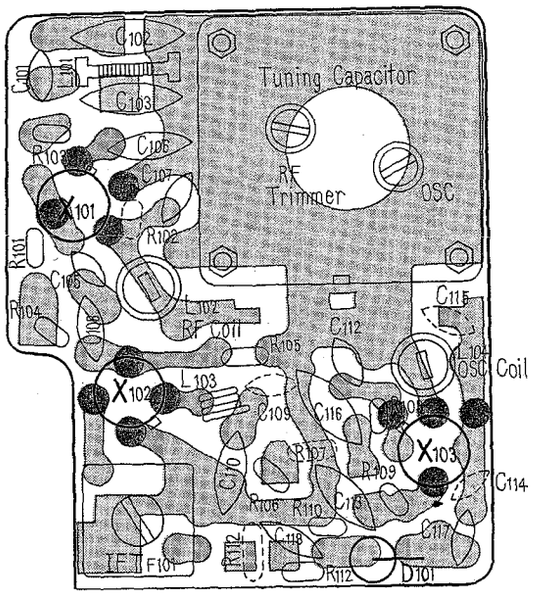
Dial Cord Stringing



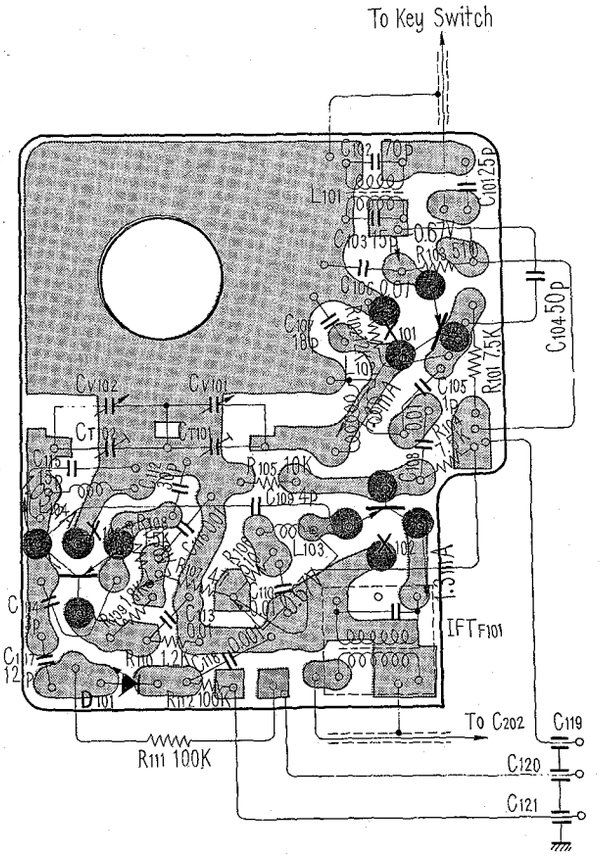


Mounting Diagram

FM Tuner Section (FMC-6AW)



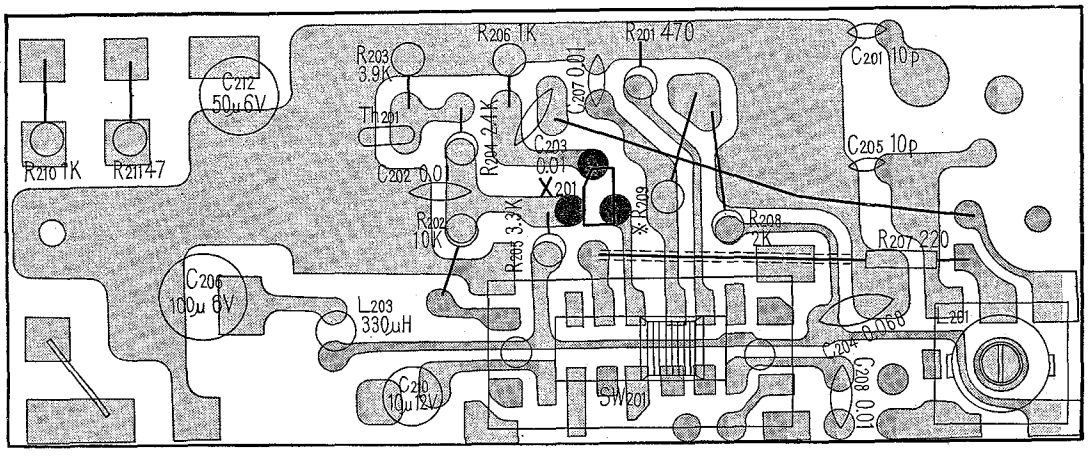
—Printed Side—



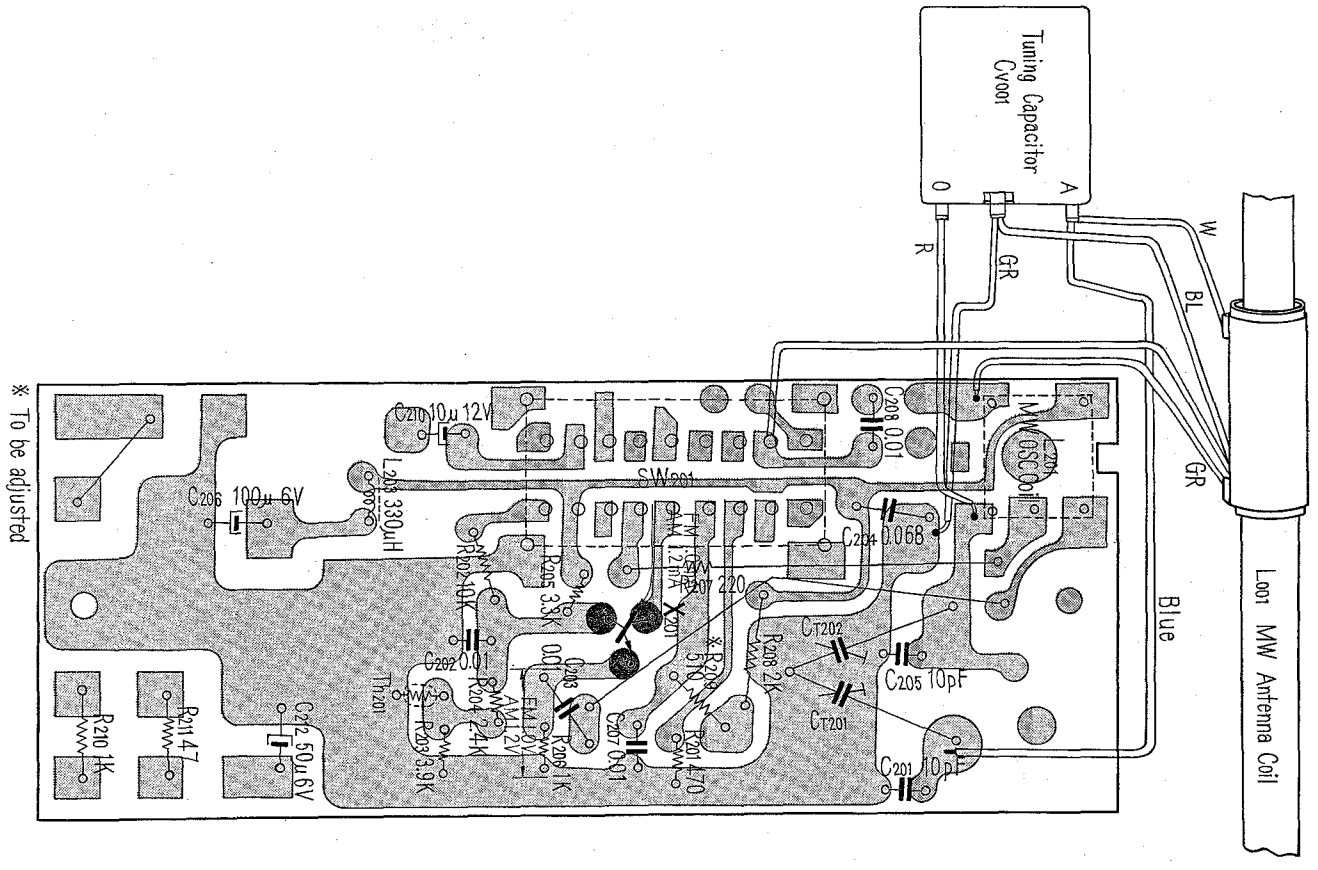
Mounting Diagram

MW Coil Pack Section (CP-2B)

—Parts Side—



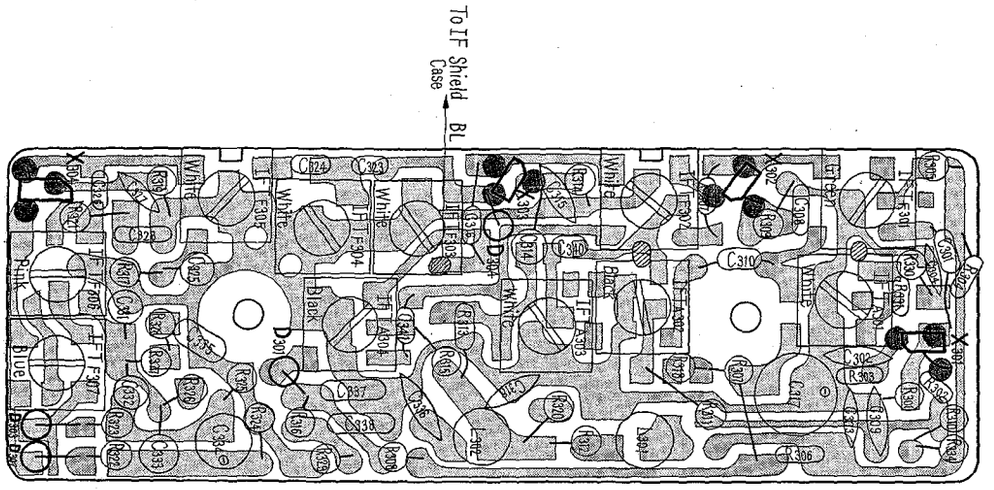
—Printed Side—



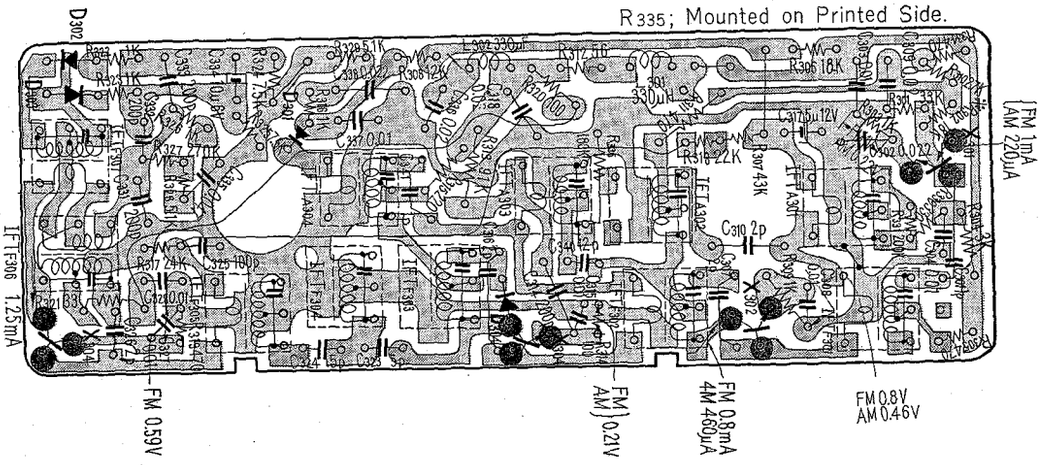
Mounting Diagram

IF Section (IF-1C)

—Parts Side—



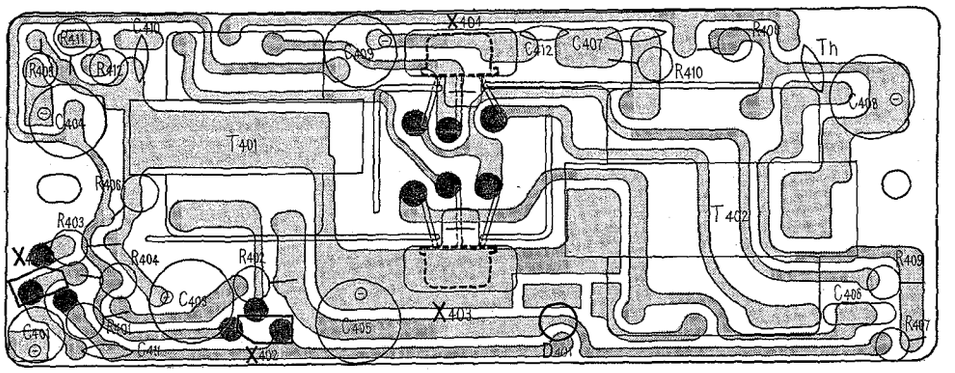
—Printed Side—



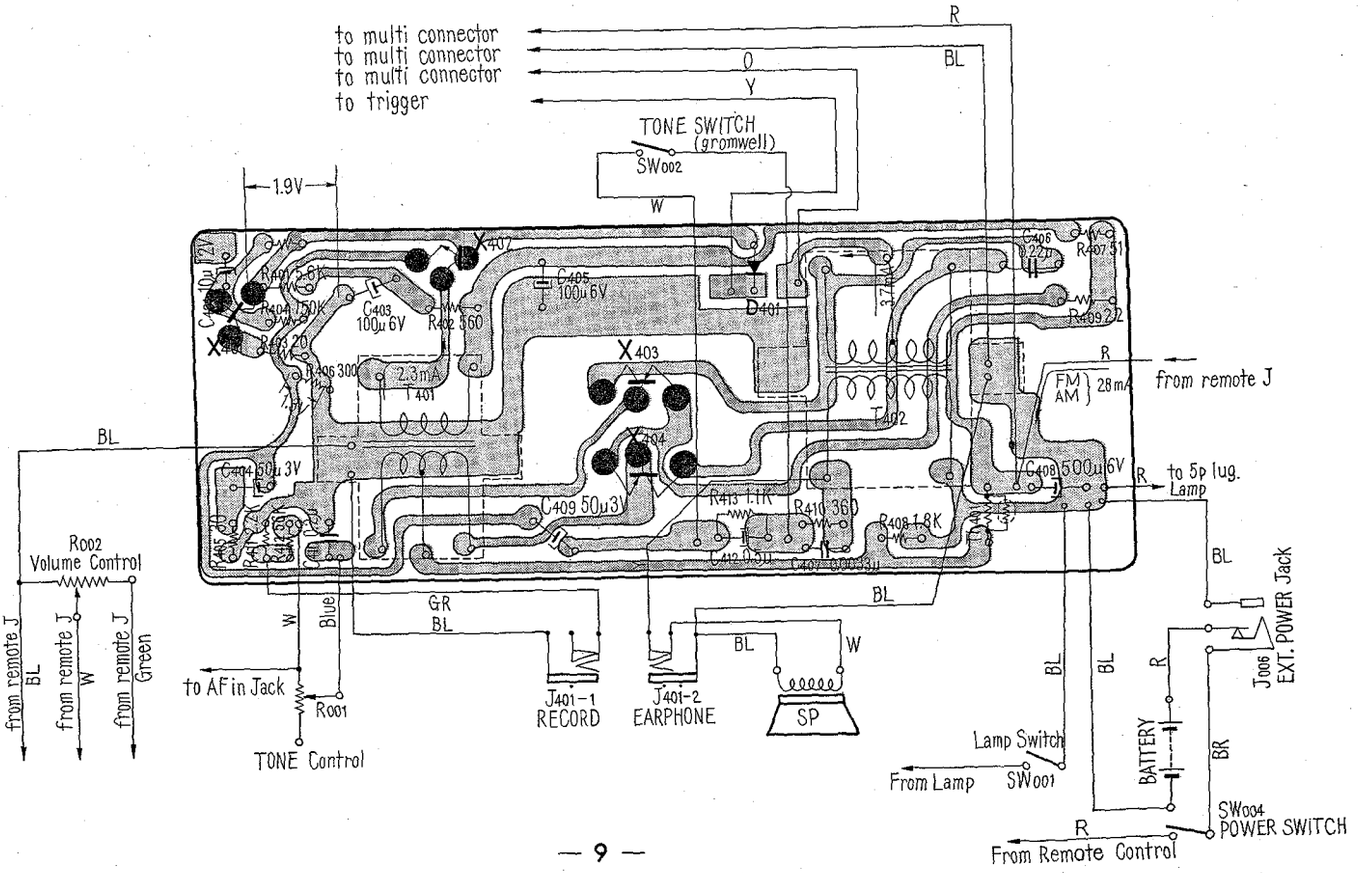
Mounting Diagram

AF Section (AF-1B)

—Parts Side—



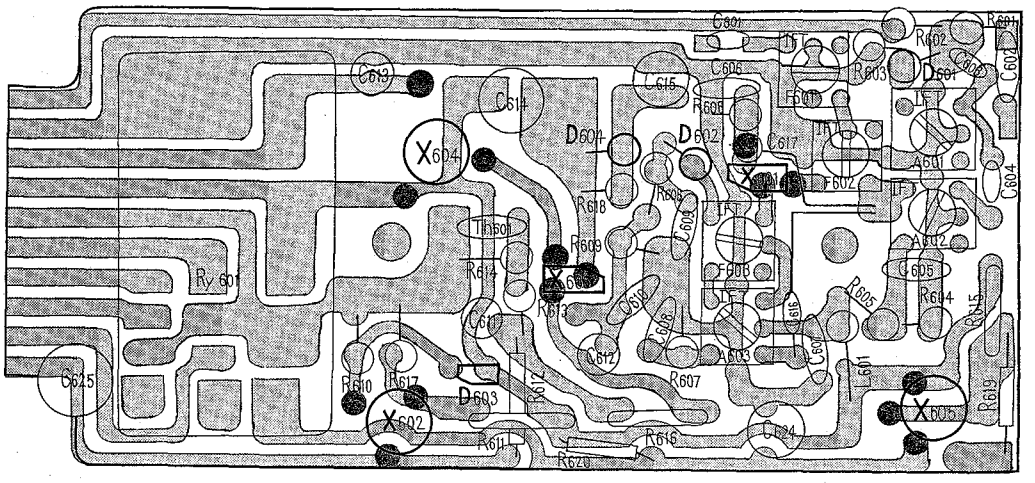
—Printed Side—



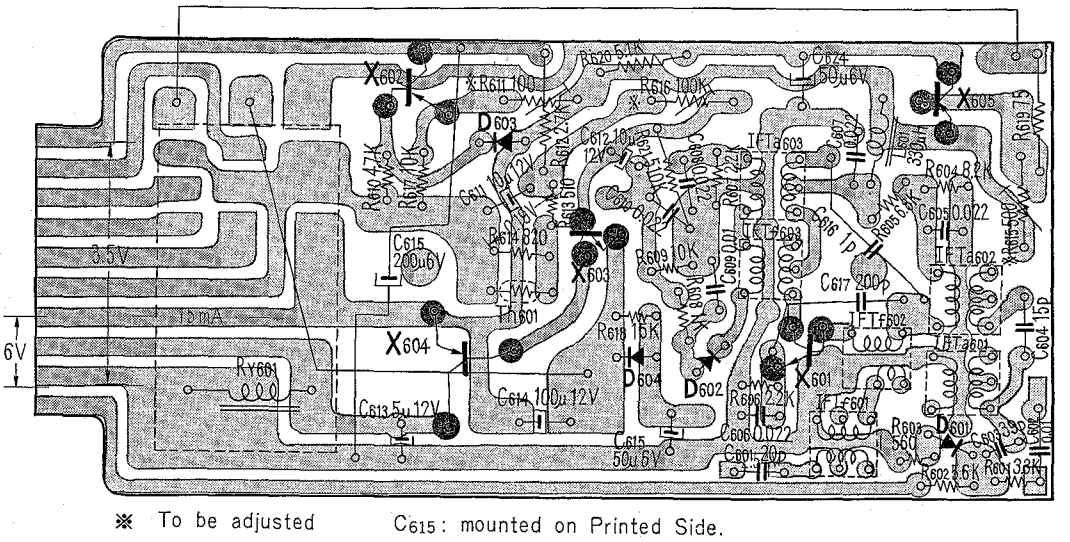
Mounting Diagram

Trigger Section (TG-1A)

—Parts Side—

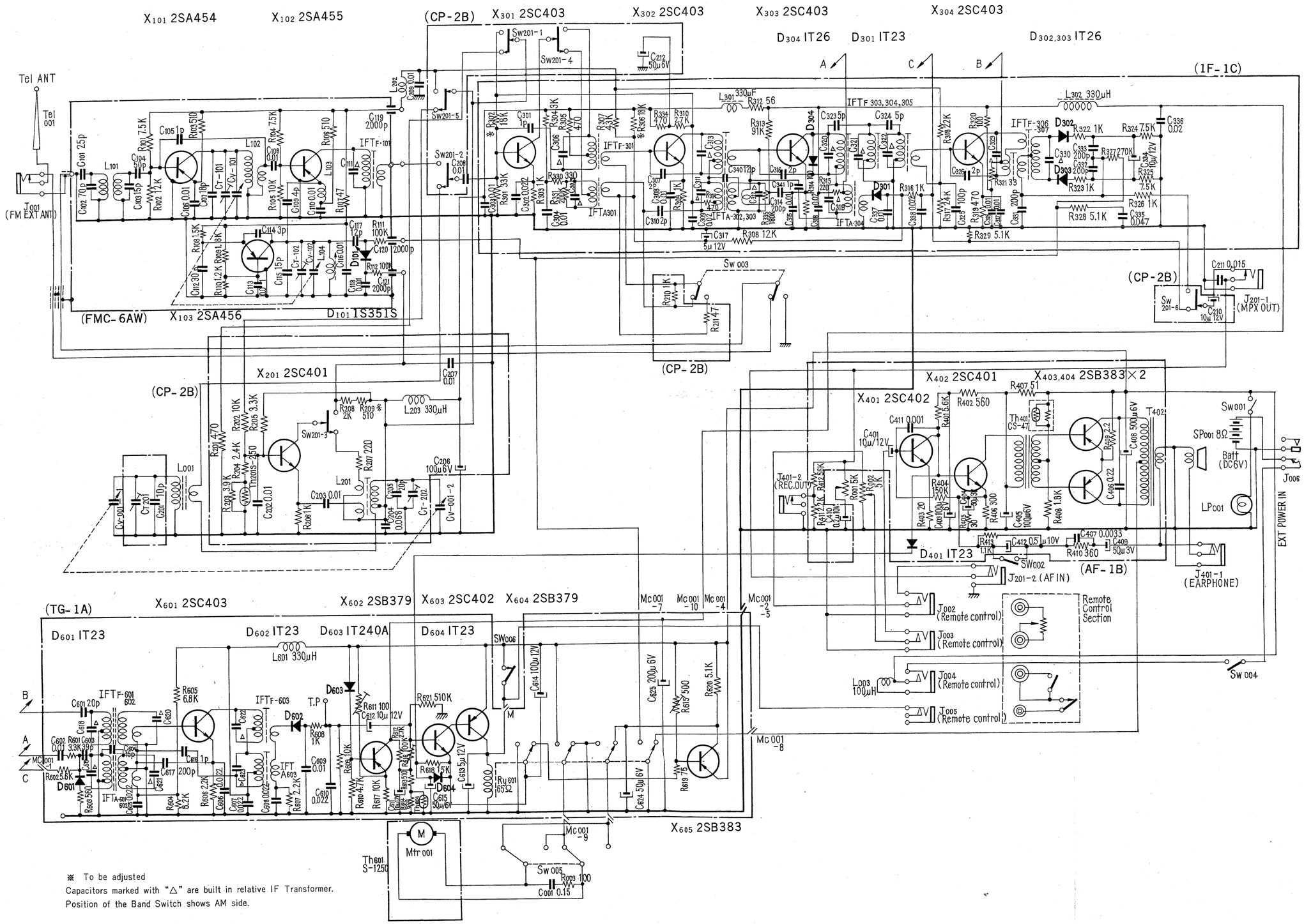


—Printed Side—



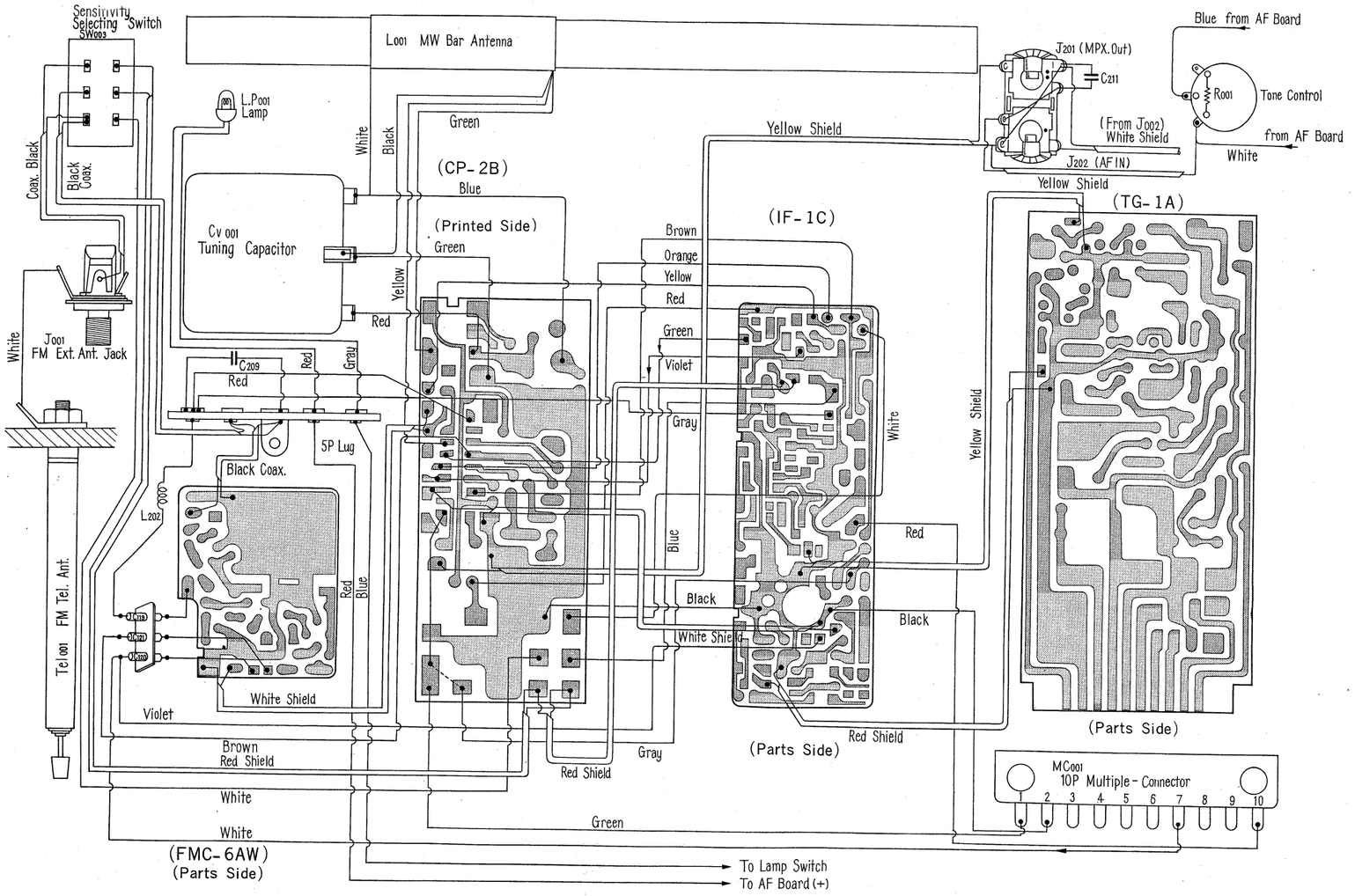
※ To be adjusted C615: mounted on Printed Side.

Schematic Diagram

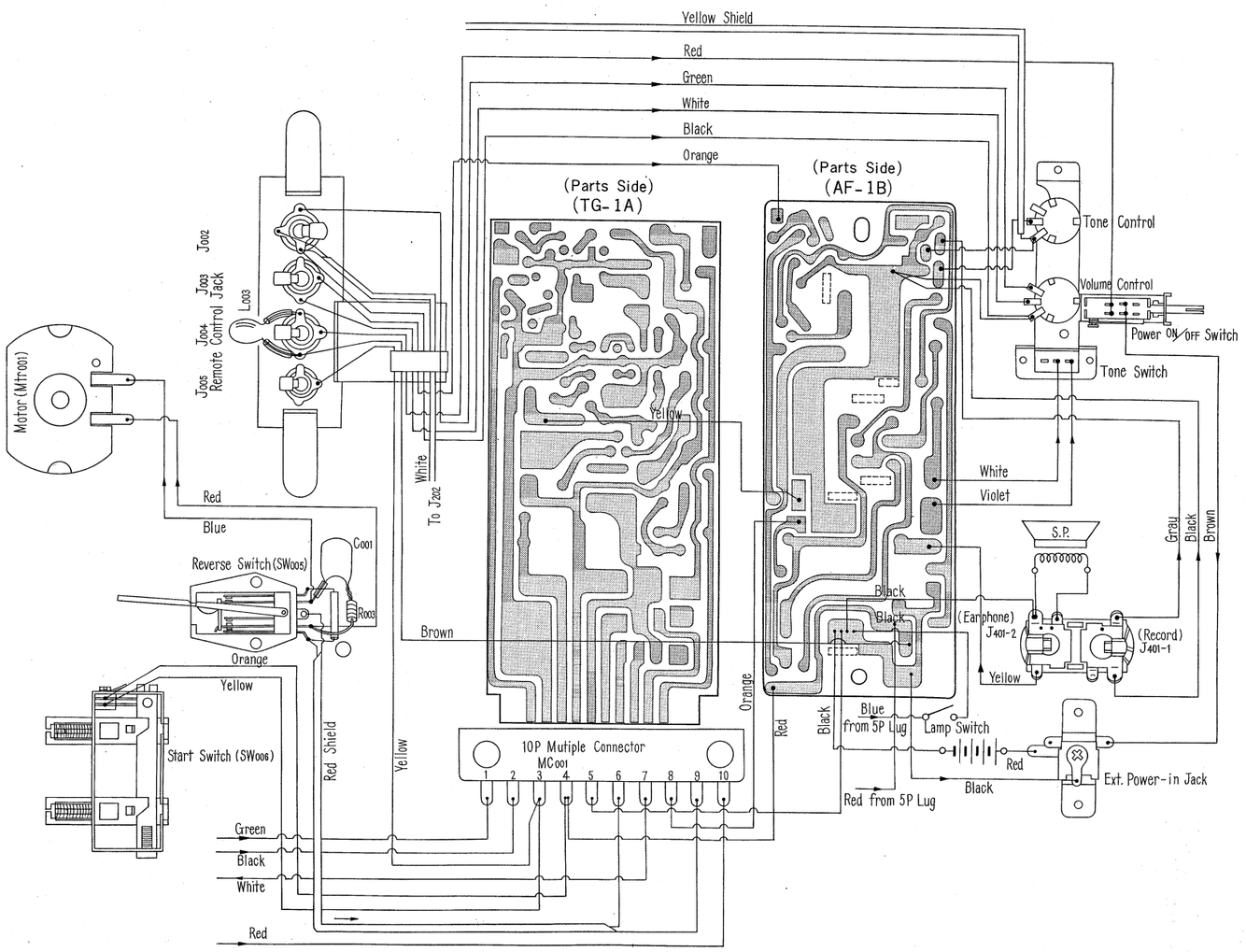


※ To be adjusted
Capacitors marked with "△" are built in relative IF Transformer.
Position of the Band Switch shows AM side.

Wiring Diagram (1)



Wiring Diagram (2)



Electrical Parts List

Part No.	Symbol	Description
1-501-072-13	Tel. 001	Antenna, Telescopic
1-401-253-11	L_{001}	Coil, MW ferrite bar antenna
	L_{002}	—deleted—
1-407-045-11	L_{003}	Inductor, micro 100μH
1-401-216-11	L_{101}	Coil, FM antenna
1-425-162-11	L_{102}	〃 FM RF
1-405-282-11	L_{103}	〃 Injection
-135-11	L_{104}	〃 FM oscillator
-117-12	L_{201}	〃 MW oscillator
1-407-030-11	L_{202}	Inductor, micro 150μH
-050-11	L_{203}	〃 330μH
-050-11	L_{301}	〃 330μH
-050-11	L_{302}	〃 330μH
-050-11	L_{601}	〃 330μH
		Transformer
1-403-231-15	IFT_{F101}	FM IF single tuned
-243-15	IFT_{F301}	〃
-244-15	IFT_{F302}	〃
-244-15	IFT_{F303}	〃
-244-15	IFT_{F304}	〃
-244-15	IFT_{F305}	〃
-272-15	IFT_{F306}	Dis minator primary
-273-15	IFT_{F307}	Discriminator secondary
-026-15	IFT_{A301}	AM IF single tuned
-110-15	IFT_{A302}	〃
-026-15	IFT_{A303}	〃
-110-15	IFT_{A304}	〃
-266-15	IFT_{F601}	FM IF } double tuned
-267-15	IFT_{F602}	〃 }
-243-15	IFT_{F603}	FM IF single tuned
-110-15	IFT_{A601}	AM IF single tuned
-026-15	IFT_{A602}	〃
-110-15	IFT_{A603}	〃
1-423-100-11	T_{401}	Driver
1-427-088-11	T_{402}	Output
1-541-022-11	Mtr_{001}	Motor
1-515-057-	Ry_{601}	Relay, 65Ω
1-502-091-15	SP_{001}	Speaker, 8Ω
1-518-006-01	Lp_{001}	Lamp, Dial
1-507-011-01	J_{001}	Jack, FM external antenna
-011-01	J_{002}	Jack, remote control
-011-01	J_{003}	〃
-011-01	J_{004}	〃
-038-02	J_{005}	〃
-126-11	J_{006}	Jack, external power supply
-075-11	J_{201-1}	Jack, twin { Mpx. out
	J_{201-2}	AF in }
-075-11	J_{401-1}	〃 { earphone
	J_{401-2}	Rec. out }
1-513-274-11	$SW_{201-1\sim6}$	Switch, band setting
3-821-$\frac{664-01}{665-02}$ }	SW_{001}	〃 dial lamp
1-513-222-21	SW_{002}	〃 tone selecting
-272-11	SW_{003}	〃 sensitivity selecting
1-514-191-11	SW_{004}	〃 power on/off

Part No.	Symbol	Description
1-514-123-12	SW_{005}	Switch, motor reversing
-124-12	SW_{006}	〃 motor starting
1-509-111-12	$MC_{001-1\sim10}$	Connector, multiple
1-528-001-00	Batt	Battery, 6V in total
	X_{101}	Transistor 2SA454
	X_{102}	〃 2SA455
	X_{103}	〃 2SA456
	X_{201}	〃 2SC401
	X_{301}	〃 2SC403
	X_{302}	〃 2SC403
	X_{303}	〃 2SC403
	X_{304}	〃 2SC403
	X_{401}	〃 2SC402
	X_{402}	〃 2SC401
	X_{403}	〃 2SB383
	X_{404}	〃 2SB383
	X_{601}	〃 2SC403
	X_{602}	〃 2SB379
	X_{603}	〃 2SC402
	X_{604}	〃 2SB379
	X_{605}	〃 2SB383
	D_{101}	Diode 1S351S
	D_{301}	〃 1T23
	D_{302}	〃 1T26
	D_{303}	〃 1T26
	D_{304}	〃 1T26
	D_{401}	〃 1T23
	D_{601}	〃 1T23
	D_{602}	〃 1T23
	D_{603}	〃 1T240A
	D_{604}	〃 1T23
	Th_{201}	Thermistor S-250
8-690-004-01	Th_{401}	〃 CS-47
8-691-002-01	Th_{602}	〃 S-1250
		Resistor
1-221-717-11	R_{001}	5KΩ Tone Control
-717-11	R_{002}	5KΩ Volume Control
1-201-679-11	R_{003}	100Ω 1/8W Composition
1-208-054-11	R_{101}	7.5KΩ 1/10W Ceramic
-059-11	R_{102}	12KΩ 〃 〃
-026-11	R_{103}	510Ω 〃 〃
-054-11	R_{104}	7.5KΩ 〃 〃
-057-11	R_{105}	10KΩ 〃 〃
-026-11	R_{106}	510Ω 〃 〃
-105-11	R_{107}	47Ω 〃 〃
-037-11	R_{108}	1.5KΩ 〃 〃
-039-11	R_{109}	1.8KΩ 〃 〃
-035-11	R_{110}	1.2KΩ 〃 〃
1-201-868-11	R_{111}	100KΩ 1/8W Composition
1-208-145-11	R_{112}	100KΩ 1/10W Ceramic
-025-11	R_{201}	470Ω 〃 〃
1-201-865-11	R_{202}	10KΩ 1/8W Composition
1-208-047-11	R_{203}	3.9KΩ 1/10W Ceramic

Part No.	Symbol	Description
1-208-042-11	R_{204}	2.4KΩ 1/10W Ceramic
-045-11	R_{205}	3.3KΩ 〃 〃
-033-11	R_{206}	1KΩ 〃 〃
1-201-858-11	R_{207}	220Ω 1/8W Composition
1-208-040-11	R_{208}	2KΩ 1/10W Ceramic
1-240-466-11	*R_{209}	510Ω 1/8W Carbon
1-201-862-11	R_{210}	1KΩ 〃 Composition
-264-11	R_{211}	47Ω 〃 〃
1-208-069-11	R_{301}	33KΩ 1/10W Ceramic
-063-11	*R_{302}	18KΩ 〃 〃
-033-11	R_{303}	1KΩ 〃 〃
-044-11	R_{304}	3KΩ 〃 〃
1-201-453-11	R_{305}	470Ω 1/8W Composition
1-208-063-11	*R_{306}	18KΩ 1/10W Ceramic
1-202-076-11	R_{307}	43KΩ 1/8W Composition
1-208-059-11	R_{308}	12KΩ 1/10W Ceramic
-033-11	R_{309}	1KΩ 〃 〃
1-201-819-11	R_{310}	2.7KΩ 1/8W Composition
-453-11	R_{311}	470Ω 〃 〃
-265-11	R_{312}	56Ω 〃 〃
1-208-080-11	R_{313}	91KΩ 1/10W Ceramic
1-201-679-11	R_{314}	100Ω 1/8W Composition
-858-11	R_{315}	220Ω 〃 〃
-862-11	R_{316}	1KΩ 〃 〃
1-202-249-11	R_{317}	24KΩ 〃 〃
1-201-867-11	R_{318}	22KΩ 〃 〃
-453-11	R_{319}	470Ω 〃 〃
-679-11	R_{320}	100Ω 〃 〃
-960-11	R_{321}	33Ω 〃 〃
-862-11	R_{322}	1KΩ 〃 〃
-862-11	R_{323}	1KΩ 〃 〃
1-202-035-11	R_{324}	7.5KΩ 〃 〃
-035-11	R_{325}	7.5KΩ 〃 〃
1-201-862-11	R_{326}	1KΩ 〃 〃
-846-11	R_{327}	270KΩ 〃 〃
1-202-025-11	R_{328}	5.1KΩ 〃 〃
-025-11	R_{329}	5.1KΩ 〃 〃
1-201-870-11	R_{330}	330Ω 〃 〃
-328-11	R_{331}	200KΩ 〃 〃
	R_{332}	—deleted—
	R_{333}	—deleted—
1-201-453-11	R_{334}	470Ω 1/8W Composition
1-202-118-11	R_{335}	180KΩ 〃 〃
1-201-864-11	R_{401}	5.6KΩ 〃 〃
-872-11	R_{402}	560Ω 〃 〃
-951-11	R_{403}	20Ω 〃 〃
-113-11	R_{404}	150KΩ 〃 〃
-278-11	R_{405}	30Ω 〃 〃
-277-11	R_{406}	300Ω 〃 〃
-968-11	R_{407}	51Ω 〃 〃
-650-11	R_{408}	1.8KΩ 〃 〃
-401-11	R_{409}	2.2Ω 〃 〃
-859-11	R_{410}	360Ω 〃 〃
-863-11	R_{411}	2.2KΩ 〃 〃
-085-11	R_{412}	56KΩ 〃 〃
1-201-637-11	R_{413}	1.1KΩ 1/8W Composition
-860-11	R_{601}	3.3KΩ 〃 〃
-864-11	R_{602}	5.6KΩ 〃 〃
-872-11	R_{603}	560Ω 〃 〃
1-202-038-11	R_{604}	8.2KΩ 〃 〃
-032-11	R_{605}	6.8KΩ 〃 〃
1-201-863-11	R_{606}	2.2KΩ 〃 〃
-863-11	R_{607}	2.2KΩ 〃 〃
-862-11	R_{608}	1KΩ 〃 〃
-865-11	R_{609}	10KΩ 〃 〃
1-202-023-11	R_{610}	4.7KΩ 〃 〃
1-221-631-11	R_{611}	100Ω Adjustable
1-202-009-11	R_{612}	2.7KΩ 1/8W Composition
1-240-466-11	R_{613}	510Ω 〃 Carbon
-471-11	R_{614}	820Ω 〃 〃
1-221-633-11	R_{615}	500Ω Adjustable
-638-	R_{616}	100KΩ 〃
1-201-865-11	R_{617}	10KΩ 1/8W Composition
-866-11	R_{618}	15KΩ 〃 〃
-973-11	R_{619}	75Ω 〃 〃
1-202-025-11	R_{620}	5.1KΩ 〃 〃
-148-11	R_{621}	510KΩ 〃 〃
		Capacitor
1-151-086-11	CV_{001}	Capacitor, AM tuning
-088-12	CV_{101}	〃 FM tuning
-088-12	CV_{102}	〃
	CT_{101}	Trimmer, (built in FM Tuning Capacitor)
	CT_{102}	
1-141-011-11	CT_{201}	Trimmer, 2 units
	CT_{202}	
1-105-418-12	C_{001}	0.15μF Mylar
1-101-090-11	C_{101}	25pF Ceramic
-319-11	C_{102}	70pF 〃
-861-11	C_{103}	15pF 〃
-028-11	C_{104}	50pF 〃
-951-11	C_{105}	1pF 〃
-141-11	C_{106}	0.01μF 〃
-862-11	C_{107}	18pF 〃
-141-11	C_{108}	0.01μF 〃
-954-11	C_{109}	4pF 〃
-141-11	C_{110}	0.01μF 〃
	C_{111}	built in IFT_{F101}
1-101-871-11	C_{112}	30pF Ceramic
-141-11	C_{113}	0.01μF 〃
-953-11	C_{114}	3pF 〃
-861-11	C_{115}	15pF 〃
-141-11	C_{116}	0.01μF 〃
-961-11	C_{117}	12pF 〃
1-105-821-12	C_{118}	0.001μF Mylar
1-101-799-11	C_{119}	2000pF Feed Through
-799-11	C_{120}	2000pF 〃
-799-11	C_{121}	2000pF 〃
-960-11	C_{201}	10pF Ceramic
1-105-411-12	C_{202}	0.01μF Mylar

Complete Spare Parts List for 7FA-70W

Mar. '67

Part No.	Description	Q'ty	Unit Price US$	
A. Cabinet and Appearance Items				
	Cabinet, complete including ----------	1	3.90	
X-38216-01-7	Cabinet ass'y ----------	(1)	1.27	
3-821-604-	Cover dial ----------	(1)	0.19	
3-821-606-	Push Button, Lamp Switch ----------	(1)	0.04	
3-815-303-06	Antenna Catch (Black) ----------	(1)	0.02	
3-821-605-	Push Button, start switch ----------	(2)	0.03	
-607-	Handle, carrying (upper part) ----------	(1)	0.17	
-608-	Handle, carrying (lower part) ----------	(1)	0.11	
X-83216-14	Panel, upper ----------	(1)	0.21	
-15	Panel A, front ----------	(1)	0.19	
X-38216-16-	Panel B, front ----------	(1)	0.16	
-18-	Label, specification ----------	(1)	0.05	
3-821-650-	Panel, lower ----------	(1)	0.10	
-651-	Panel, side ----------	(2)	0.26	
-656-	Plate A, carrying handle ornamental --------	(1)	0.08	
-657-	Plate B, " " " --------	(1)	0.07	
-678-	Boss BA 5x10x25.5, telescopic antenna ----	(1)	0.04	
-680-	Net, dust-proof ----------	(1)	0.02	
X-38199-02	Badge ----------	(1)	0.08	
7-621-505-32	Screw K 2 x 5 ----------	(4)	0.15	(100 pcs)
7-622-310-01	Nut 4ø ----------	(2)	0.43	(")
7-623-110-21	Washer 4ø ----------	(1)	0.23	(")
-410-01	Star Washer 4ø ----------	(2)	0.20	(")
-510-01	Lug 4ø ----------	(1)	0.24	(")
3-821-610-	Knob, volume and tone control ----------	2	0.01	
3-821-609-	Knob, tuning ----------	1	0.02	
-611-	Knob, band selector ----------	1	0.04	
-612-	Push Button, power switch ----------	1	0.01	
-613-	Mount, remote control jack ----------	1	0.05	
-654-	Decoration plate, tuning knob ----------	1	0.03	
-655-	" " , volume and tone ----------	2	0.04	
3-811-513-	Knob, battery lid ----------	1	0.10	
B. Mechanical Parts				
3-821-615-	Gear, AM tuning capacitor ----------	1	0.07	
-616-	Gear, FM " " ----------	1	0.04	

Part No.	Description	Q'ty	Unit Price US$
3-821-699-	Support, trigger P.C. Board	2	0.05
-761-	Spacer, band selecting knob lever	1	0.01
3-821-617-	Drum	1	0.05
-624-	Cam	2	0.02
-626-	Retainer, power switch	1	0.01
X-38216-02-	Chassis, main	1	0.57
-03-	Chassis, sub	1	0.16
-04-	Chassis, motor	1	0.11
-05-	Pointer	1	0.09
-06-	Lever Ass'y, start switch	1	0.05
-07-	Lever Ass'y, reverse switch	1	0.11
3-821-648-02	Plate, dial back	1	0.37
3-821-652-	Case, motor shield	1	0.21
-653-	Cover, trigger shield case	1	0.38
-659-	Retainer, circuit board	1	0.02
-660-	Retainer, lead wire	1	0.02
-662-	Retainer, jack	1	0.02
-663-	Mount, power switch and potentiometer	1	0.06
-664-	Mount, dial light switch	1	0.03
-665-	Spring, dial light switch	1	0.01
-666-	Mount, band selector knob	1	0.05
-667-	Lever, band selector knob	1	0.03
-668-	Retainer, band selector knob	1	0.02
-669-	Plate, band selector knob lock	1	0.01
-670-	Plate Spring, band selector knob	1	0.01
-672-	Collar, band selector knob	2	0.01
-673-	Boss, BA 2.6 x 5 x 4, dial back plate	1	0.02
-674-	" , BA 2.6 x 10 x 20, trigger shield case	2	0.02
-675-	" , BA 3 x 4 x 23, chassis	4	0.03
-676-	" , BA 3 x 4 x 42.5, rear cabinet	2	0.04
-677-	" , BA 3 x 4 x 67.5, " "	2	0.04
-679-	Retainer, chassis	1	0.03
-681-	Cushion, Jack	1	0.01
-682-	Washer	1	0.01
-689-	Mount, ON-OFF indicator	1	0.01
X-38216-21-2	Indicator, ON-OFF	1	0.02
-693-	Cushion, rear cover	2	0.01
X-38216-22-	Holder ass'y, battery	1	0.18
3-821-694-	Cushion A	2	0.02
-695-	Spacer, insulator (ON-OFF switch)	1	0.01
3-808-422-	Leaf Switch, dial light	1	0.02
-424-	Insulator, lamp switch	1	0.01
0-206-817-	Spring, battery	1	0.03
3-811-772-	Plate, battery negative contact	1	0.03

Part No.	Description	Q'ty	Unit Price US$	
3-821-757-	Sw. Spacer Bard Selector	1	0.01	
-758-	Cushion Speaker	1	0.02	
-759-	Spacer, Battery Lid	3	0.01	
0-214-123-	VC Cushion	4	0.01	
X-38173-03-3	IF Shield Case Ass'y	1	0.12	
3-815-140-	Cushion IF Board	1	0.07	
3-817-307-	Cover for IF Shield Case	1	0.08	
3-809-726-	TD 4 x 5 for Speaker Holding Screw (4)	4	0.02	
3-811-769-	Washer, lock	1	0.01	
-762-	Holder, bar antenna	2	0.02	
-186-	Screw, reverse switch lever	2	0.01	
3-811-529-	Plate, battery lid lock	1	0.02	
-530-	Plate, spring	1	0.02	
3-812-148-	Washer, telescopic antenna	1	0.01	
3-803-026-	Spring, dial string	1	0.01	
3-807-333-	Nylon Washer, pulley shaft	4	0.01	
3-809-610-	Mount, jack	1	0.02	
3-103-527-	Binder, rubber	3	0.02	
3-809-058-	Cushion, Battery	2	0.01	
3-817-114-	Pulley	2	0.01	
0-039-768-	Cushion B, sub-chassis	1	0.02	
3-815-202-	Cushion C, rear cover	2	0.03	
X-38510-11-	FMC-6AW Mechanical Ass'y, including	1	0.21	
3-851-003-	Chassis, tuner	(1)	0.03	
-001-	Mount, circuit board	(1)	0.06	
7-621-303-42	Screw F 1.7 x 5	(2)	0.20	(100 pcs)
-305-12	Screw F 2 x 3	(2)	0.17	(")
3-821-753-	Support, Back Plate	1	0.02	
-754-	DC. Jack Plate	1	0.02	

C. Electrical Parts

1. General Block

1-401-253-	Coil, MW bar antenna	1	0.34	
1-151-086-	Capacitor, tuning	1	1.14	
1-221-717-	Potentiometer, volume and tone	2	0.14	
1-501-072-	Antenna, telescopic	1	0.76	
1-502-091-	Speaker	1	0.75	
1-509-111-	Multi-connector	1	0.08	
1-507-011-	Jack	4	0.05	
-038-	Jack, earphone	1	0.07	
1-513-222-	Switch, tone selector	1	0.10	

Part No.	Description	Q'ty	Unit Price US$
1-513-272-	Switch, senitivity selector	1	0.15
1-514-191-	" , power	1	0.21
-123-	" , reverse	1	0.44
-124-	" , start	1	0.42
1-518-006-01	Lamp, dial	1	0.07
1-507-126-	Jack, external power supply	1	0.15
-901-12	Nut, jack	4	0.01
1-407-045-	Coil, choke	1	0.03
1-536-030-	Strip, terminal	1	0.02
1-538-378-12	Circuit Board, FM tuner	1	0.03
-439-11	" " , coil pack	1	0.04
-421-12	" " , IF	1	0.04
-420-12	" " , trigger	1	0.12
-359-31	" " , AF	1	0.08
1-105-418-	C-001 Capacitor, Mylar 0.15uF	1	0.07
1-201-679-	R003 Resistor, 100 ohms RC1/8±10%	1	0.02
	COIL and TRANSFORMER		
	1. FM Tuner Block		
1-401-216-	Filter, band pass L101	1	0.05
1-425-162-	Coil, RF L102	1	0.06
1-405-135-	" , Oscillator (FM) L104	1	0.05
-282-	" , Oscillator injection L103	1	0.03
1-403-231-	Transformer, IF(FM) F101	1	0.16
	2. Coil Pack Block		
1-405-117-	Coil, oscillator (AF) L201	1	0.13
1-407-030-	Coil, choke (150uH) I 202	1	0.03
-050-	Coil, choke (330uH) L203	1	0.03
	3. IF Block		
1-403-026-15	Transformer, IF (AM) A301,303	2	0.12
-110-15	" , IF (AM) A302,304	2	0.12
-243-15	" , IF (FM) F301	1	0.16
-244-15	" , IF (FM) F302,303,304,305	4	0.16
-272-15	" , discriminator (primary)	1	0.16
-273-15	" , " (secondary)	1	0.16
1-407-050-	Coil, choke (330uH) L301,302	2	0.03

Part No.	Description			Q'ty	Unit Price US$
	4. AF Block				
1-423-100-	Transformer, driver			1	0.22
1-427-088-	" , output			1	0.26
	5. Trigger Block				
1-403-266-15)	Transformer, IF (FM)		F601)	1	0.16
-267-15)			F602)		
-243-15	Transformer, IF (FM)		F603	1	0.16
-110-15	" , IF (AM)		A601,603	2	0.12
-026-15	" , "		A602	1	0.12
	SEMICONDUCTOR				
	1. FM Tuner Block				
	Transistor	X101	2SA4561	1	0.38
			2SA4542		
		X102	2SA4552		
			2SA4542	1	0.38
			2SA4561		
		X103	2SA4561	1	0.38
	Diode	D101	1S351S	1	0.28
			SD-111		
	2. Coil Pack Block				
	Transistor	X201	2SC401	1	0.21
8-690-004-	Thermistor	Th201	S-250	1	0.03
	3. IF Block				
	Transistor	X303,304,301,302	2SC403	4	0.21
	Diode	D301,	1T23	1	0.06
		D302,303, 304	1T26	3	0.06
	4. AF Block				
	Transistor	X401	2SC402	1	0.21
		X402	2SC401	1	0.21
		X403,404	2SB379	2	0.15

Part No.	Description			Q'ty	Unit Price US$
	Diode	D401	1T23 ----------	1	0.06
	5. Trigger Block				
	Transistor	X603	2SC402 --------	1	0.21
		X601	2SC403 --------	1	0.21
		X602,604	2SB379 --------	2	0.15
		X605	2SB383 --------	1	0.25
	Diode	D603	1T240A --------	1	0.15
		D601,602,604	1T23 ----------	3	0.06
	Thermistor	Th601	S-1250 --------	1	0.03
	OTHER ELECTRICAL PARTS				
1-151-088-	Capacitor, tuning (FM) ----------			1	0.49
1-141-011-	Capacitor, trimmer ----------			1	0.08
1-513-274-	Switch, band selector ----------			1	0.26
3-855-001-	Heat Sink ----------			2	0.04
3-423-102-	Retainer, transistor ----------			2	0.03
1-515-057-	Relay ----------			1	1.37
1-507-075-	Jack twin. ----------			1	0.11
1-541-023-	Motor ----------			1	1.05
	RESISTOR				
	1. FM Tuner Block				
1-208-105-	R107	47 ohms	RT1/10 ±10% ---------	1	0.02
-026-	R103,106	510 "	" " ---------	2	0.02
-035-	R110	1.2K "	" ±5% ---------	1	0.02
-037-	R108	1.5K "	" " ---------	1	0.02
-039-	R109	1.8K "	" ±10% ---------	1	0.02
-054-	R101,104	7.5K "	" " ---------	2	0.02
-057-	R105	10K "	" " ---------	1	0.02
-059-	R102	12K "	" " ---------	1	0.02
-145-	R112	100K "	" " ---------	1	0.02
1-201-868-11	R111	100K "	" " ---------	1	0.02
	2. Coil Pack Block				
1-201-856-	R213	10 ohms	RC1/8 ±10% ---------	1	0.02
-264-	R211	47 "	" " ---------	1	0.02
-858-	R207	220 "	" " ---------	1	0.02

Part No.	Description							Q'ty	Unit Price US$
1-201-862-	R210	1K	ohm	RC1/8	±10%	------		1	0.02
-865-	R202	10K	ohms	"	"	------		1	0.02
1-240-463-	R209 (Adjust)	390	"	)					
-464-	"	430	"	)					
-465-	"	470	"	)					
-466-	"	510	"	)	RD1/8US	±5%	---	1	0.02
-467-	"	560	"	)					
-468-	"	620	"	)					
1-208-025-	R201	470	"		RT1/10	±10%	--	1	0.02
-033-	R206	1K	ohm		"	"	--	1	0.02
-042-	R204	2.4K	ohms		"	"	--	1	0.02
-045-	R205	3.3K	"		"	"	--	1	0.02
-047-	R203	3.9K	"		"	"	--	1	0.02
-040-	R208	2.0K	"		"	"	--	1	0.02
	3. IF Block								
1-201-960-	R321	33	ohms		RC1/8	±10%	--	1	0.02
-265-	R312	56	"		"	"	--	1	0.02
-679-	R314,320	100	"		"	"	--	2	0.02
-858-	R315	220	"		"	"	--	1	0.02
-870-	R330	330	"		"	"	--	1	0.02
-453-	R319,334,305,311	470	"		"	"	--	4	0.02
-862-	R323,326,316,322	1K	ohm		"	"	--	4	0.02
-819	R310	2.7K	ohms		"	"	--	1	0.02
1-202-025-	R328,329	5.1K	"		"	"	--	2	0.02
-035-	R324,325	7.5K	"		"	"	--	2	0.02
1-201-865-	R332	10K	"		"	"	--	1	0.02
-867-	R318	22K	"		"	"	--	1	0.02
1-202-249-	R317	24K	"		"	"	--	1	0.02
-076-	R307	43K	"		"	"	--	1	0.02
1-201-328-	R331	200K	"		"	"	--	1	0.02
-846-	R327	270K	"		"	"	--	1	0.02
1-208-033-	R303,309	1K	ohm		RT1/10	±5%	---	2	0.02
-044-	R304	3K	ohms		"	"	---	1	0.02
-059-	R308	12K	"		"	"	---	1	0.02
-080-	R313	91K	"		"	"	---	1	0.02
-069-	R301	33K	"		"	"	---	1	0.02
-061-	R306 (Adjust)	15K	"	)					
-062-	"	16K	"	)	RT1/10	±5%	---	1	0.02
-063-	"	18K	"	)					
-064-	"	20K		)					

Part No.	Description				Q'ty	Unit Price US$
1-208-057-	R302 (Adjust)	10K ohms)				
-058-	"	11K ")				
-059-	"	12K ")				
-060-	"	13K ")				
-061-	"	15K ")	RT1/10	±5% ----	1	0.02
-062-	"	16K ")				
-063-	"	18K ")				
-064-	"	20K ")				
-065-	"	22K ")				
1-202-134-	R335	330K "	RC1/8	----	1	0.02
	4. AF Block					
1-201-401-11	R409	2.2 ohms	RC1/4	±10% ---	1	0.02
-951-	R403	20 "	RC1/8	" ---	1	0.02
-278-	R405	30 "	"	" ---	1	0.02
-968-	R407	51 "	"	" ---	1	0.02
-277-	R406	300 "	"	" ---	1	0.02
-859-	R410	360 "	"	" ---	1	0.02
-872-	R402	560 "	"	" ---	1	0.02
-650-	R408	1.8K "	"	" ---	1	0.02
-863-	R411	2.2K "	"	" ---	1	0.02
-864-	R401	5.6K "	"	" ---	1	0.02
-085-	R412	56K "	"	" ---	1	0.02
-113-	R404	150K "	"	" ---	1	0.02
-637-	R413	1.1K "	"	" ---	1	0.02
	5. Trigger Block					
1-221-631-	R611 (Adjustable)	100 ohms		---	1	0.05
-633-	R615 (")	500 "		---	1	0.05
-638-	R616 (")	100K "		---	1	0.05
1-201-973-	R619	75 "	RC1/8	±10% ---	1	0.02
-872-	R603	560 "	"	" ---	1	0.02
-862-	R608	1K ohm	"	" ---	1	0.02
-863-	R606,607	2.2K ohms	"	" ---	2	0.02
-860-	R601	3.3K "	"	" ---	1	0.02
1-202-023-	R610	4.7K "	"	" ---	1	0.02
-025-	R620	5.1K "	"	" ---	1	0.02
1-201-864-	R602	5.6K "	"	" ---	1	0.02
1-202-032-	R605	6.8K "	"	" ---	1	0.02
-038-	R604	8.2K "	"	" ---	1	0.02
1-201-865-	R609,617	10K "	"	" ---	2	0.02

Part No.	Description						Q'ty	Unit Price US$
1-201-866-	R618	15K	ohms	RC1/8	±10%	----	1	0.02
1-202-148-	R621	510K	"	"	"	----	1	0.02
1-240-466-	R613	510	"	RD1/8US	5%	----	1	0.02
-471-	R614	820	"	"	"	----	1	0.02
1-202-009-	R612	2.7K	"	"	"	----	1	0.02
	CAPACITOR							
	i) CERAMIC CAPACITOR							
	1. FM Tuner Block							
1-101-799-	C119,120,121	2000PF	(Feed-through type)			-	3	0.07
-951-	C105	1PF	±0.5PF			----------	1	0.02
-954-	C109	4PF	"			----------	2	0.02
-953-	C114	3PF	"			----------	1	0.02
-861-	C103,115	15PF	±5%			----------	2	0.02
-862-	C107	18PF	"	50V		----------	2	0.02
-090-	C101	25PF	"	"		----------	1	0.02
-871-	C112	30PF	"	"		----------	2	0.02
-028-	C104	50PF	"	"		----------	1	0.02
-791-	C102	70PF	"	25V		----------	1	0.02
-905-	C106,108,110,113, 116	0.01uF	+80% -20%	"		----------	5	0.02
-961-	C117	12PF	±5%	50V		----------	1	0.02
	2. Coil Pack Block							
1-101-960-	C201	10PF	±10%	50V		----------	1	0.02
-898-	C205	20PF	"	"		----------	1	0.02
-141-	C209	0.01uF		25V		----------	1	0.02
	3. IF Block							
1-101-951-	C301,341	1PF	±0.5PF	50V		-------	2	0.02
-952-	C307,310,316,326	2PF	"	"		-------	4	0.02
-955-	C323,324	5PF	"	"		-------	2	0.02
-961-	C340	12PF	±5%	"		-------	1	0.02
-142-	C309,318,336	0.02uF	+80% -20%	25V		-------	3	0.02
	4. Trigger Block							
1-101-951-	C616	1PF	±0.5PF	50V		-------	1	0.02

Part No.	Description				Q'ty	Unit Price US$
1-101-861-	C604	15PF	±5%	50V ----------	1	0.02
-864-	C601	20PF	"	" ----------	1	0.02
-876-	C603	39PF	"	" ----------	1	0.02
	ii) STYROL CAPACITOR					
	1. IF Block					
1-103-601-	C325	100PF	±5%	50V ----------	1	0.03
-608-	C314,331,332, 333	200PF	"	" ----------	4	0.03
	2. Trigger Block					
1-103-608-	C617	200PF	±5%	50V ----------	1	0.03
	iii) MYLAR CAPACITOR					
	1. FM Tuner Block					
1-105-821-	C118	0.001uF		50V ----------	1	0.02
	2. Coil Pack Block					
1-105-412-	C211	0.05uF		35V ----------	1	0.02
-411-	C202,203,207, 208	0.01uF		" ----------	4	0.02
-416-	C204	0.068uF		" ----------	1	0.04
	3. IF Block					
1-105-411-	C303,304,308, 337,315,327, 328	0.01uF		35V ----------	7	0.02
-413-	C338,C302	0.022uF		" ----------	2	0.02
	4. AF Block					
1-105-821-	C411	0.001uF		50V ----------	1	0.02
-827-	C407	0.0033uF		" ----------	1	0.02
-419-	C406	0.22uF		35V ----------	1	0.09
	5. Trigger Block					
1-105-411-	C602,609	0.01uF		35V ----------	2	0.02

Part No.	Description			Q'ty	Unit Price US$
1-105-413-	C605,606,607,608,610	0.022uF	35V --------	5	0.02
	iv) ELECTROLYTIC CAPACITOR				
	1. Coil Pack Block				
1-121-282-	C210	10uF	6V --------	1	0.04
-291-	C206	100uF	" --------	1	0.06
-287-	C212	50uF	" --------	1	0.05
	2. IF Block				
1-121-280-	C317	5uF	12V --------	1	0.05
-282-	C334	10uF	" --------	1	0.04
1-127-047-	C335	0.047uF	10V --------	1	0.05
	3. AF Block				
1-127-020-	C410	0.2uF	10V --------	1	0.05
-022-	C412	0.5uF	" --------	1	0.05
1-121-315-	C403,405	100uF	6V --------	2	0.06
-342-	C408	500uF	" --------	1	0.09
-282-	C401	10uF	12V --------	1	0.04
-287-	C404,409	50uF	3V --------	2	0.05
	4. Trigger Block				
1-121-306- 280-)	C613	5uF	12V --------	1	0.04
1-121-307- -282-)	C611,612	10uF	12V --------	2	0.04
-312- -322-)	C615,624	50uF	6V --------	2	0.05
-316- -292-)	C614	100uF	12V --------	1	0.06
-318- -295-)	C625	200uF	6V --------	1	0.07
D. Screw, Washer and Nut (Minimum Q'ty for ordering; 100 pcs.)					
	Screw				
7-621-309-72	F 2.6 x 12 (IF Board) ----------			2	0.38
7-621-303-32	F 1.7 x 4, (FM tuning capacitor) ----------			1	0.22
-305-12	F 2 x 3, (motor shield case (3), power sw(2), battery lid lock plate (2),motor chassis (4), switch lever (1)) ----------			12	0.18
-22	F 2 x 4, (FM tuner (3), power sw. mounter(2))			5	0.17
-72	F 2 x 12, (reverse switch (2)) ----------			2	0.25
-309-12	F 2.6 x 3, (band selector knob retainer (3), dial back plate (4), trigger shield case (2), start switch (2), power sw. retainer(1), Jack holder (1), power switch (1)) --------			14	0.38

Part No.	Description	Q'ty	Unit Price US$
7-621-309-22	F2.6 x 4, (CP circuit board (2), AM tuning capacitor (1), sub-chassis (3), chassis retainer (4)) ----------	10	0.25
-311-22	F3 x 4, (dial drum (1), pilot lamp (1)) -----	2	0.31
-42	F3 x 6, (AF circuit Board (2), bar antenna holder (2)) ----------	4	0.30
-72	F3 x 12, (multi-connector) ----------	2	0.42
-509-52	K 2.6 x 8, (band setting knob) ----------	2	0.27
-559-62	(+) K 2.6 x 10, (band setting knob) --------	2	0.29
-509-22	K 2.6 x 4, (AM tuning capacitor) ----------	2	0.28
-555-56	(+) K 2 x 8, (external power supply jack) --	2	0.57
-32	(+) K 2 x 5, (gear for AM tuning capacitor)-	2	0.17
-161-22	(+) R 3 x 4, (main-chassis (4)) ----------	4	0.13
-261-49	(+) P 3 x 6, (batterycylinder(6), remote control jack (2)) ----------	8	0.68
-261-58	(+) P 3 x 8 (back cover) ----------	4	0.62
-255-58	(+) P 2 x 8 (battery lid) ----------	3	0.49
	Washer (plain)		
7-623-105-21	2ø (large), (5P terminal strip) ----------	1	0.07
-11	2ø(start switch lever) ----------	1	0.07
-107-11	2.6ø, (AM tuning capacitor) ----------	1	0.10
-110-12	4ø, (speaker (4)) ----------	4	0.23
-108-11	3ø, (tuning drum (1), pilot lamp (1)) ----------	2	0.10
	Washer (lock-star)		
7-623-407-01	2.6ø, (lock) ----------	2	0.19
	Nut		
7-622-307-01	2.6ø, (band setting knob) ----------	2	0.27
-305-01	2ø, (battery lid) ----------	3	0.20
	Lug		
7-623-508-01	3ø, (AF circuit board) ----------	1	0.13
	Retaining Ring		
7-624-104-01	E-2, (pilot lamp) ----------	1	0.36

Part No.	Description			Q'ty	Unit Price US$
	Eyelet				
7-623-606-01	1.3 x 3, (dial string) ----------			1	0.05
	Steel Ball				
7-671-106-01	3/16", (band setting knob) ----------			1	0.48
E. Wire and Miscellaneous Items					
	i) POLYURETHANE WIRE				
	1. FM Tuner Block				
1-905-220-12	0.26ø	Red	20mm ----------	3	0.01
-16	"	Blue	" ----------	1	0.01
	2. CP Block				
1-905-225-12	0.26ø	Red	25mm ----------	2	0.01
-235-12	"	"	35mm ----------	1	0.01
	3. IF Block				
1-905-450-15	0.4ø	Green	50mm ----------	1	0.01
-440-12	0.4ø	Red	40mm ----------	1	0.01
	4. Trigger Block				
1-905-450-12	0.4ø	Red	50mm ----------	1	0.01
-480-16	"	Blue	80mm ----------	1	0.01
	ii) P.V.C. WIRE				
	4. Trigger Block				
1-902-914-05	12/0.12	Green	140mm ----------	1	0.01
-09	"	White	160mm ----------	1	0.01
-906-02	"	Red	60mm ----------	1	0.01
-01	"	Brown	140mm ----------	1	0.01
	2. IF Block				
1-902-914-00	12/0.12	Black	140mm ----------	1	0.01

Part No.	Description			Q'ty	Unit Price US$
1-902-914-02	12/0.12	Red	140mm ----------	1	0.01
-07	"	Gromwell	" ----------	1	0.01
-908-01	"	Brown	80mm ----------	1	0.01
-03	"	Orange	" ----------	1	0.01
-06	"	Blue	" ----------	1	0.01
-07	"	Gromwell	" ----------	1	0.01
-912-08	"	Gray	120mm ----------	1	0.01
-908-09	"	White	80mm ----------	1	0.01
-907-02	"	Red	70mm ----------	1	0.01
-04	"	Yellow	" ----------	1	0.01
-05	"	Green	" ----------	1	0.01
-08	"	Gray	" ----------	1	0.01
-904-00	"	Black	40mm ----------	2	0.01
	3. AF Block				
1-902-930-00	12/0.12	Black	300mm ----------	1	0.01
-916-00	"	"	160mm ----------	2	0.01
-916-03	"	Orange	160mm ----------	1	0.01
-04	"	Yellow	" ----------	1	0.01
-08	"	Gray	" ----------	1	0.01
-910-06	"	Blue	100mm ----------	1	0.01
-09	"	White	" ----------	1	0.01
-908-07	"	Gromwell	80mm ----------	1	0.01
-907-03	"	Orange	70mm ----------	1	0.01
-04	"	Yellow	" ----------	1	0.01
-09	"	White	" ----------	1	0.01
-906-00	"	Black	60mm ----------	2	0.01
-905-02	"	Red	50mm ----------	1	0.01
-912-00	"	Black	120mm ----------	1	0.01
-922-02	"	Red	220mm ----------	1	0.01
-935-00	"	Black	350mm ----------	1	0.01
	4. Trigger Block				
1-902-590-00	Single Conductor		30mm ----------	1	0.01
	iii) BRAIDED WIRE				
	1. FM Tuner Block				
1-906-320-00	3mm width		10mm ----------	1	0.01

Part No.	Description			Q'ty	Unit Price US$
	iv) COAXIAL CABLE				
	1. FM Tuner Block				
1-909-304-00		Black	40mm ----------	1	0.02
	v) SHIELDED WIRE				
	1. FM Tuner Block				
1-904-109-09	Single Conductor	White	90mm ----------	1	0.02
	2. CP Block				
1-904-118-08	Single conductor	Gray	180mm ----------	1	0.03
-116-02		Red	160mm ----------	1	0.02
	3. IF Block				
1-904-112-02	Single Conductor	Red	120mm ----------	1	0.02
-04		Yellow	120mm ----------	1	0.02
-110-02		Red	100mm ----------	1	0.02
-108-09		White	80mm ----------	1	0.02
	vi) TINNED COPPER WIRE				
	1. IF Block				
7-611-031-71	0.8ø		50mm ----------		0.01
	vii) IRRAX TUBE				
	1. FM Tuner Block				
1-908-908-07	0.7ø		8mm ----------	1	0.01
-920-	"		20mm ----------	2	0.01
	2. AF Block				
1-908-420-10	1ø		20mm ----------	6	0.01

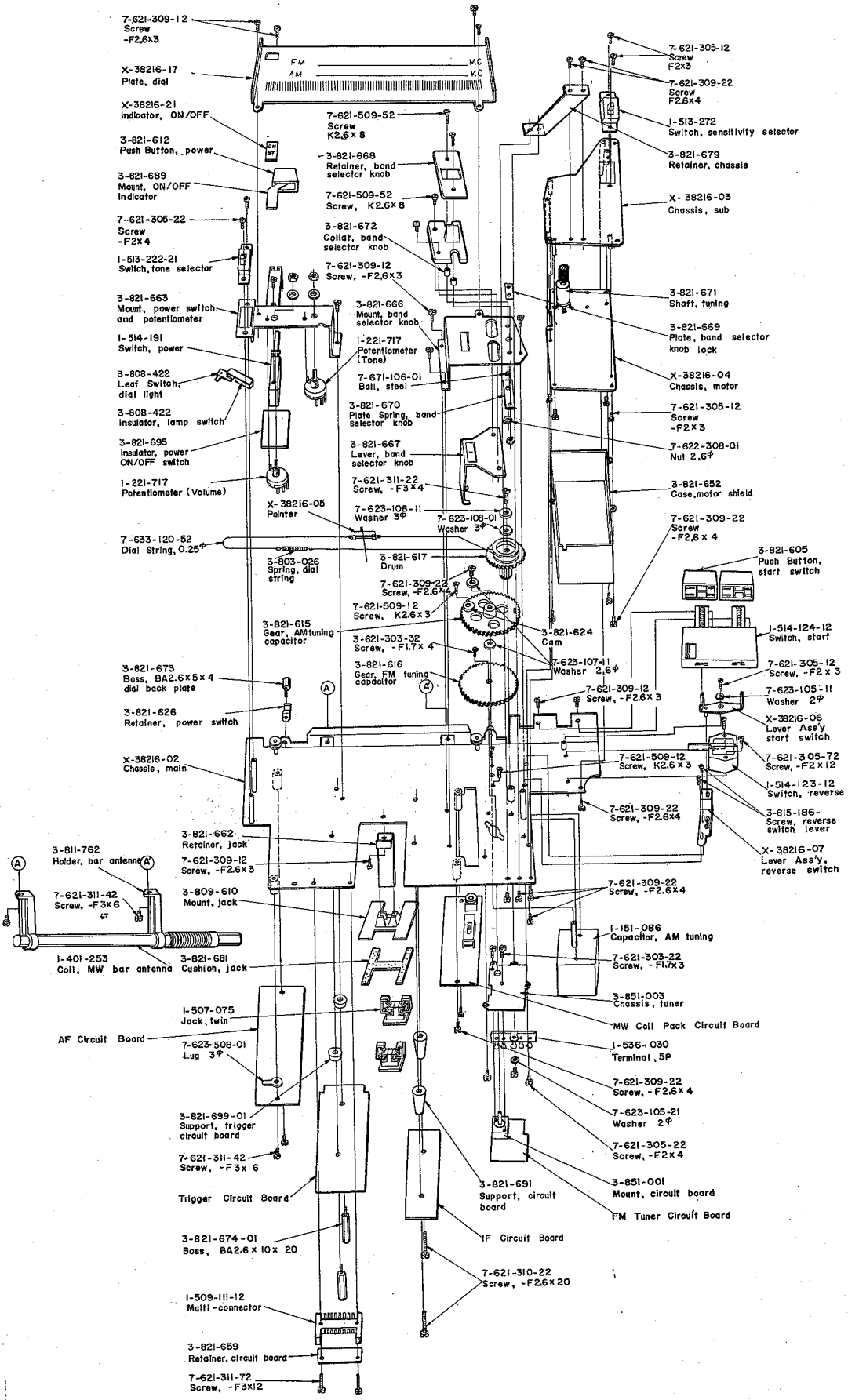
Part No.	Description			Q'ty	Unit Price
	GENERAL LEAD WIRE				US$
	1. P.V.C. Wire (12/0.12)				
1-902-909-00	Red		90mm	1	0.01
-935-03	Orange		350mm	1	0.01
-04	Yellow		"	1	0.01
-920-09	White		200mm	1	0.01
-916-01	Brown		160mm	1	0.01
-914-02	Red		140mm	1	0.01
-04	Yellow		"	1	0.01
-06	Blue		"	1	0.01
-916-09	White		160mm	1	0.01
-912-00	Black		120mm	2	0.01
-01	Brown		120mm	1	0.01
-05	Green		90mm	1	0.01
-905-02	Red		50mm	1	0.01
-09	White		"	1	0.01
-912-09	"		120mm	1	0.01
-906-02	Red		60mm	1	0.01
	2. Shielded Wire				
1-904-122-09	White		220mm	1	0.03
-130-02	Red		300mm	1	0.01
-120-04	Yellow		200mm	1	0.03
	3. Coaxial Cable				
1-909-309-00	Black		90mm	1	0.03
-307-00	Black		70mm	1	0.02
	4. Polyurethan Wire				
1-905-435-16	0.4ϕ	Blue	35mm	1	0.01
-15	"	Green	"	1	0.01
-12	"	Red	"	1	0.01
-225-12	0.26ϕ	"	25mm	1	0.01
	5. Dial String				
7-633-120-52	0.25ϕ		307mm		0.02
F. Attached Items					
3-821-683-02	Carton			1	0.20
-684-02	Carton, master (3 sets)			1/3	0.33
-685-	Cushion Styro-foam (top right)			1	0.10
-686-	" " (" left)			1	0.09

Part No.	Description	Q'ty	Unit Price US$
3-821-687-	Cushion, styro-foam (bottom right) ----------	1	0.05
-688-	" , " (" left) ----------	1	0.05
3-813-634-	Bag, polyethylene ----------	1	0.03
3-995-370-	Manual, instruction ----------	1	0.16
1-528-001-	Battery, size "D" ----------	4	0.07
1-504-034-12	Earphone, ME-20 ----------	1	0.15
X-44900-02-1	Cloth, polishing ----------	1	0.02
3-998-901-	Label, serial No. ----------	1	0.01

Part No.	Symbol	Description	Part No.	Symbol	Description
1-105-411-12	C_{203}	0.01μF Mylar	1-127-047-11	C_{335}	0.047μF Electrolytic
-416-12	C_{204}	0.068μF 〃	1-101-142-11	C_{336}	0.02μF Ceramic
1-101-898-11	C_{205}	20pF Ceramic	1-105-411-12	C_{337}	0.01μF Mylar
1-121-291-11	C_{206}	100μF 6V Electrolytic	-413-12	C_{338}	0.022μF 〃
1-105-411-12	C_{207}	0.01μF Mylar		C_{339}	—deleted—
-411-12	C_{208}	0.01μF 〃	1-101-961-11	C_{340}	12pF Ceramic
1-101-141-11	C_{209}	0.01μF Ceramic	-951-11	C_{341}	1pF 〃
1-121-282-11	C_{210}	10μF 12V Electrolytic	1-121-282-11	C_{401}	10μF 12V Electrolytic
1-105-412-12	C_{211}	0.015μF Mylar		C_{402}	—deleted—
1-121-287-11	C_{212}	50μF 6V Electrolytic	1-121-315-11	C_{403}	100μF 6V Electrolytic
1-101-951-11	C_{301}	1pF Ceramic	-287-11	C_{404}	50μF 3V 〃
1-105-413-12	C_{302}	0.022μF Mylar	-315-11	C_{405}	100μF 6V 〃
-411-12	C_{303}	0.01μF 〃	1-105-419-12	C_{406}	0.22μF Mylar
-411-12	C_{304}	0.01μF 〃	-827-12	C_{407}	0.0033μF 〃
	C_{305}	built in $IFTA_{301}$	1-121-342-11	C_{408}	500μF 6V Electrolytic
	C_{306}	built in $IFTF_{301}$	-827-11	C_{409}	50μF 3V 〃
1-101-952-11	C_{307}	2pF Ceramic	1-127-020-11	C_{410}	0.2μF 10V 〃
1-105-411-12	C_{308}	0.01μF Mylar	1-105-821-12	C_{411}	0.001μF Mylar
1-101-142-11	C_{309}	0.02μF Ceramic	1-127-022-11	C_{412}	0.5μF 10V Electrolytic
-952-11	C_{310}	2pF 〃	1-101-864-11	C_{601}	20pF Ceramic
	C_{311}	built in $IFTA_{302}$	1-105-411-12	C_{602}	0.01μF Mylar
	C_{312}	built in $IFTA_{303}$	1-101-876-11	C_{603}	39pF Ceramic
	C_{313}	built in $IFTF_{302}$	-861-11	C_{604}	15pF 〃
1-103-608-11	C_{314}	200pF Styrol	1-105-413-12	C_{605}	0.022μF Mylar
1-105-411-12	C_{315}	0.01μF Mylar	-413-12	C_{606}	0.022μF 〃
1-101-952-11	C_{316}	2pF Ceramic	-413-12	C_{607}	0.022μF 〃
1-121-280-11	C_{317}	5μF 12V Electrolytic	-413-12	C_{608}	0.022μF 〃
1-101-142-11	C_{318}	0.02μF Ceramic	-411-12	C_{609}	0.01μF 〃
	C_{319}	built in $IFTA_{304}$	-413-12	C_{610}	0.022μF 〃
	C_{320}	built in $IFTF_{303}$	1-121-282-11	C_{611}	10μF 12V Electrolytic
	C_{321}	built in $IFTF_{304}$	-282-11	C_{612}	10μF 12V 〃
	C_{322}	built in $IFTF_{305}$	-280-11	C_{613}	5μF 12V 〃
1-101-955-11	C_{323}	5pF Ceramic	-292-11	C_{614}	100μF 12V 〃
-955-11	C_{324}	5pF 〃	-322-11	C_{615}	50μF 6V 〃
1-103-601-11	C_{325}	100pF Styrol	1-101-951-11	C_{616}	1pF Ceramic
1-101-952-11	C_{326}	2pF Ceramic	1-103-608-11	C_{617}	200pF Styrol
1-105-411-12	C_{327}	0.01μF Mylar		C_{618}	built in $IFTF_{601}$
-411-12	C_{328}	0.01μF 〃		C_{619}	bcilt in $IFTA_{601}$
	C_{329}	built in $IFTF_{306}$		C_{620}	built in $IFTF_{602}$
	C_{330}	built in $IFTF_{307}$		C_{621}	built in $IFTA_{602}$
1-103-608-11	C_{331}	200pF Styrol		C_{622}	built in $IFTF_{603}$
-608-11	C_{332}	200pF 〃		C_{623}	built in $IFTA_{603}$
-608-11	C_{333}	200pF 〃	1-121-322-11	C_{624}	50μF 6V Electrolytic
1-121-282-11	C_{334}	10μF 12V Electrolytic	-295-11	C_{625}	200μF 6V 〃

* To be adjusted

Exploded Diagram



SONY CORPORATION